

Optical Input Preamplifier

Abstract of the Disclosure

5 An optical input preamplifier includes a photodiode for converting an input optical signal into a photocurrent as an output current, pre-amplifying circuit for pre-amplifying the output current from the photodiode wherein the output current is pre-amplified to form a pre-amplifying current, and an output circuit device converting the pre-amplifying current into an output signal. Therefore, the output current from the photodiode passes through the pre-amplifying circuit and the output circuit unit to substantially enhance the sensitivity of the optical input preamplifier.